

FIG. 1

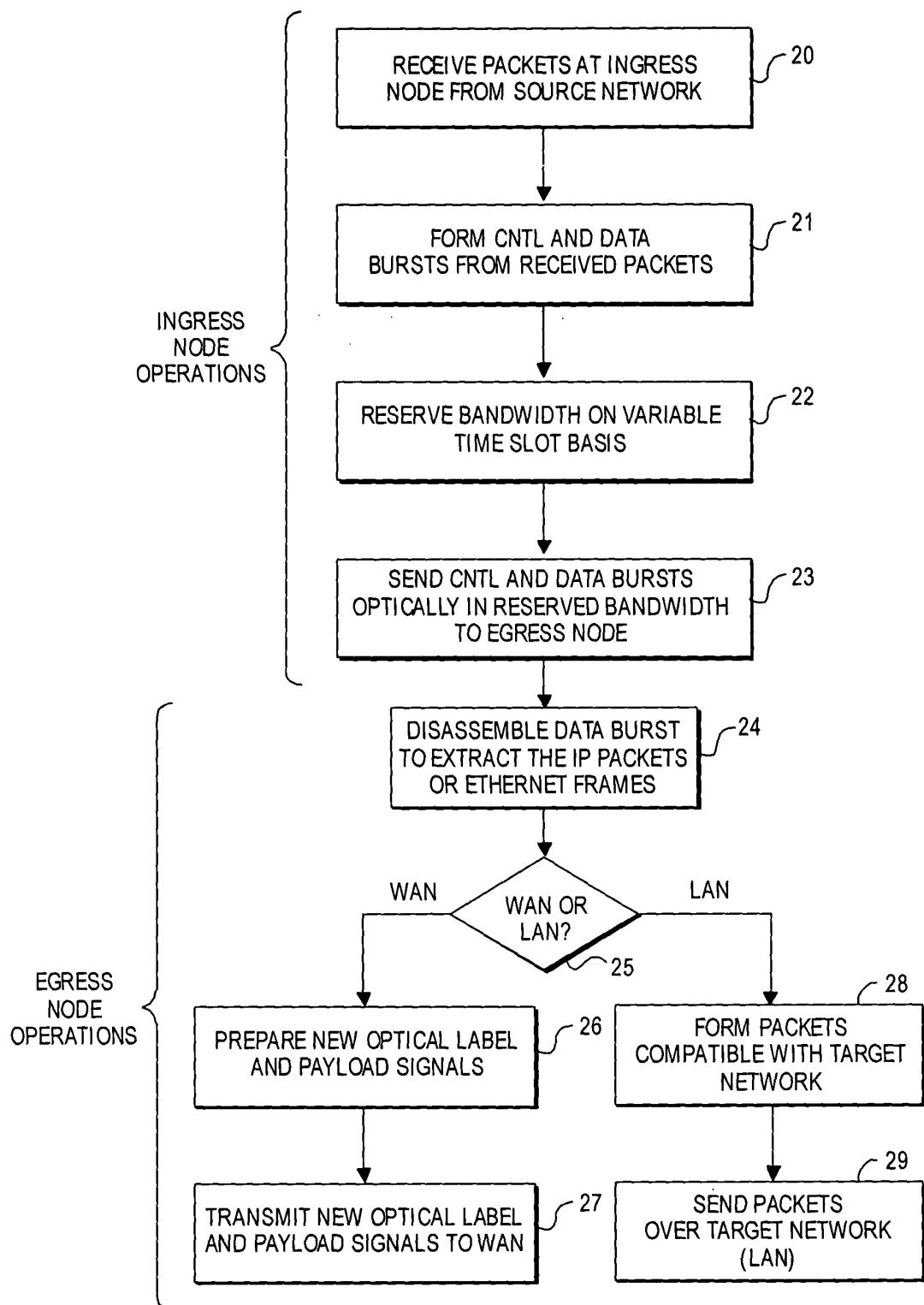


FIG. 2

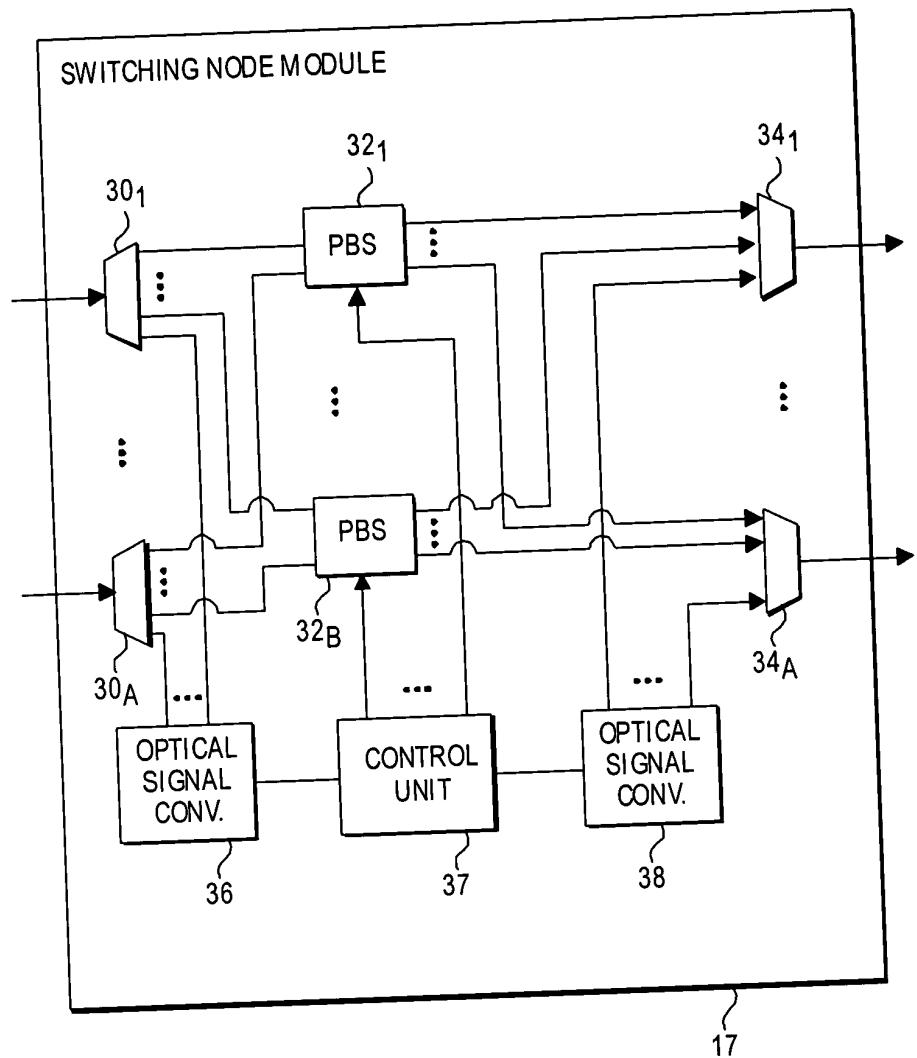


FIG. 3

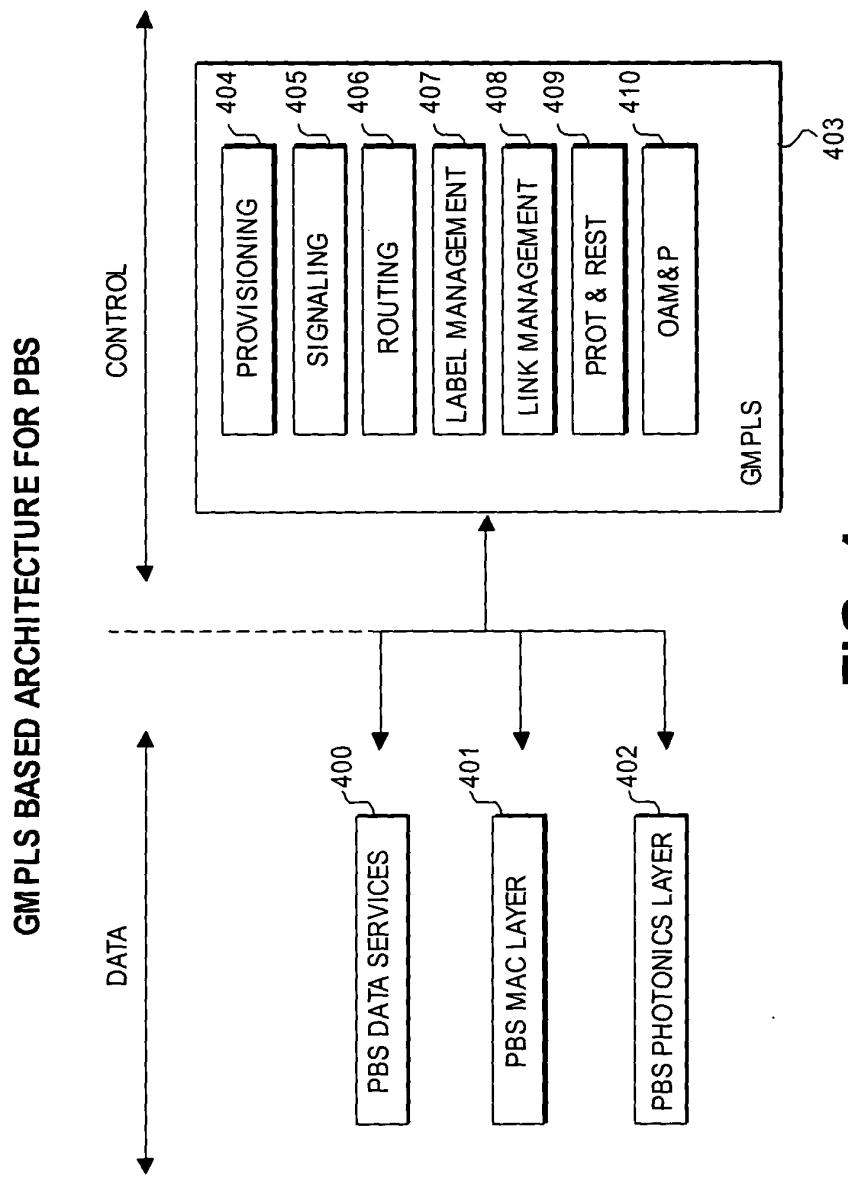


FIG. 4

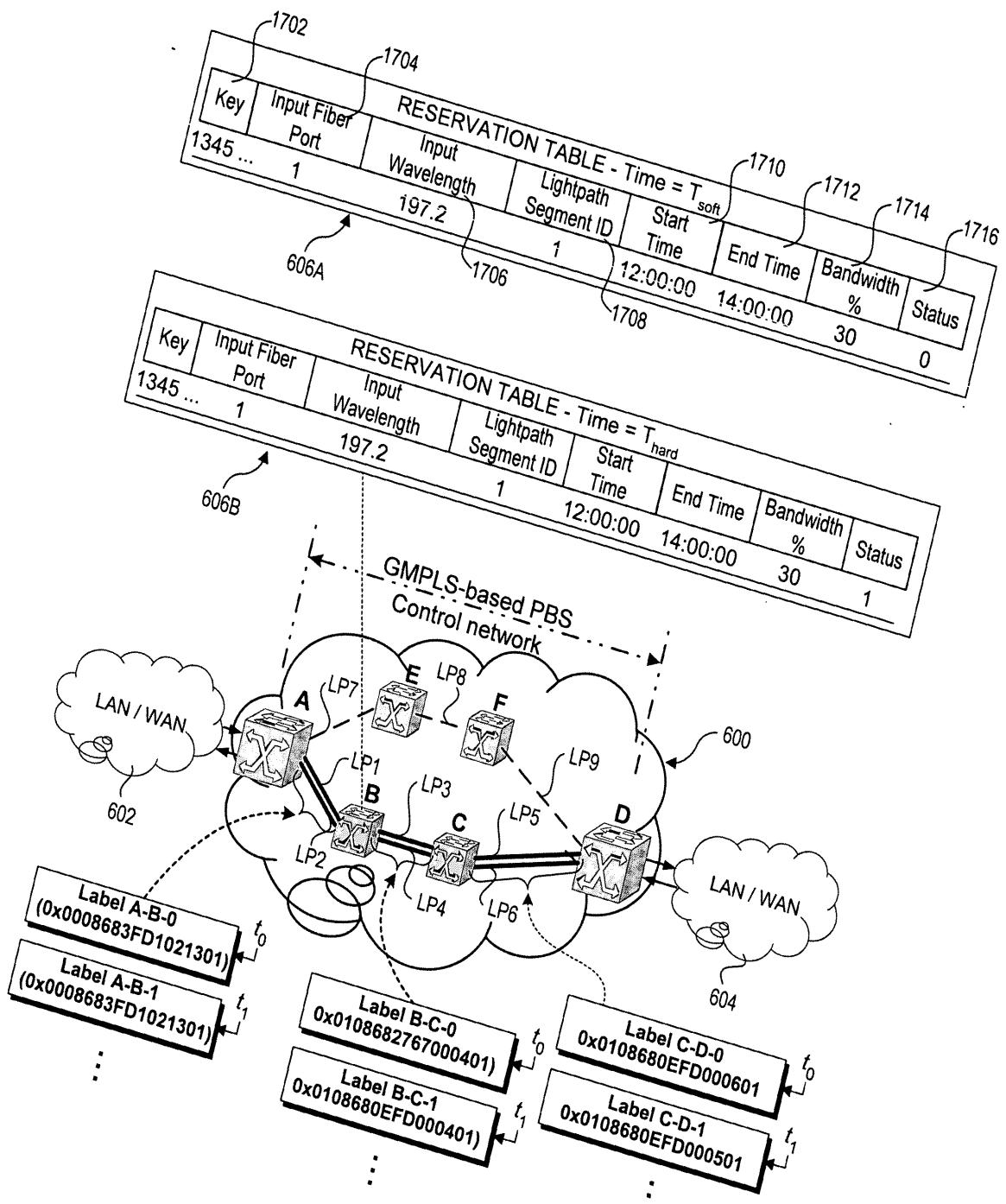
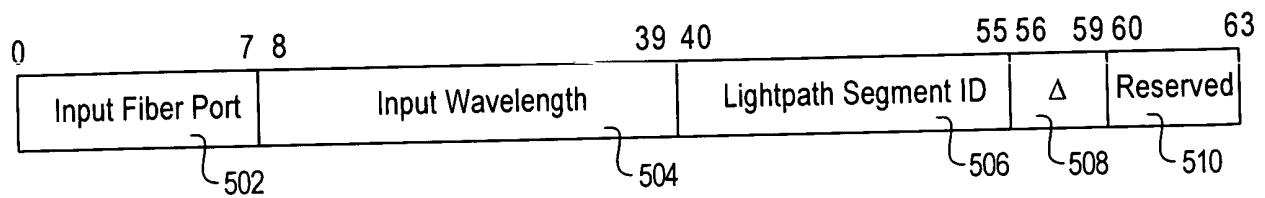


FIG. 6



500

FIG. 5

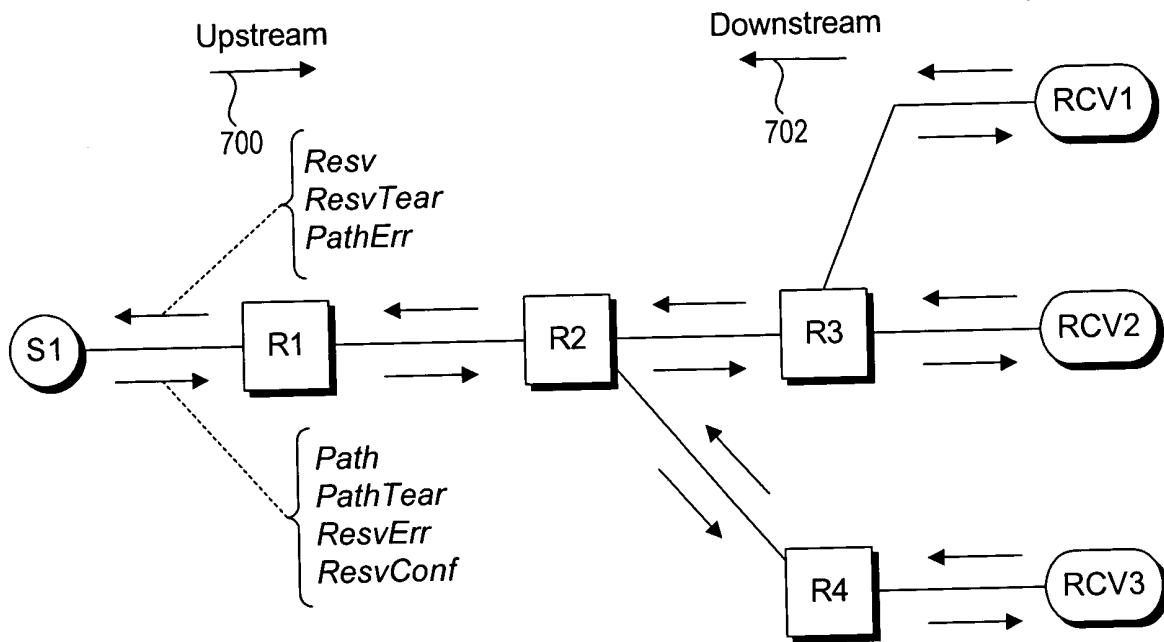


FIG. 7

```

<Path Message> ::=

  <Common Header> ~802
  [ <INTEGRITY> ] ~804
  <UNI_IPv4_SESSION> ~806
  <IPv4_IF_ID_RSVP_HOP> ~808
  <TIME_VALUES> ~810
  [ <EXPLICIT_ROUTE> ] ~811
  <GENERALIZED_PBS_LABEL_REQUEST> ~812
  [ <LABEL_SET> ... ] ~814
  [ <ADMIN_STATUS> ] ~816
  <DESTINATION_PBS_ADDRESS> ~818
  <SOURCE_PBS_ADDRESS> ~820
  [ <POLICY_DATA> ... ] ~822
  <sender descriptor> ~824

```

or

800

FIG. 8a

Sender descriptor for a unidirectional PBS light-path:

```

-><sender descriptor> ::=

  <LSP_TUNNEL_IPv4_SENDER_TEMPLATE> ~826
  <PBS_SENDER_TSPEC> ~828

```

824A

FIG. 8b

Format of the sender descriptor for a bi-directional PBS light-path

```

-><sender descriptor> ::=

  <LSP_TUNNEL_IPv4_SENDER_TEMPLATE> ~826
  <PBS_SENDER_TSPEC> ~828
  <UPSTREAM_LABEL> ~830

```

824B

FIG. 8c

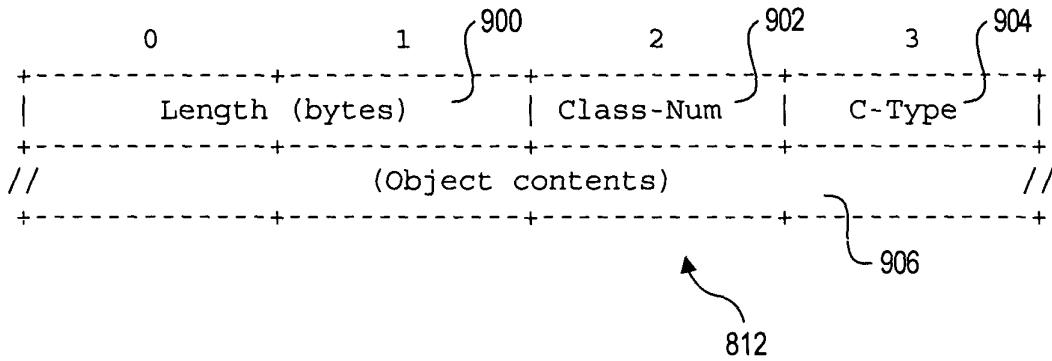


FIG. 9

<Resv Message> ::=
<Common Header> ~802
[<INTEGRITY>] ~804
<UNI_IPv4_SESSION> ~806
<IPv4_IF_ID_RSVP_HOP> ~808
<TIME_VALUES> ~810
[<IPv4_RESV_CONFIRM>] ~1004
[<ADMIN_STATUS>] ~816
[<POLICY_DATA> ...] ~822
<STYLE> ~1006
<FF flow descriptor> ~1008

FIG. 10a

→ <FF flow descriptor> ::=
<PBS_FLOWSPEC> ~1010
<LSP_TUNNEL_IPv4_FILTER_SPEC> ~1012
<GENERALIZED_PBS_LABEL> ~1014

FIG. 10b

<PathTear Message> ::=
<Common Header> ~802
[<INTEGRITY>] ~804
<UNI_IPv4_SESSION> ~806
<IPv4_IF_ID_RSVP_HOP> ~808
[<ADMIN_STATUS>] ~816
<sender descriptor> ~824

FIG. 11

1100

<ResvTear Message> ::=
<Common Header> ~802
[<INTEGRITY>] ~804
<UNI_IPv4_SESSION> ~806
<IPv4_IF_ID_RSVP_HOP> ~808
[<ADMIN_STATUS>] ~816
<STYLE> ~1006
<FF flow descriptor> ~1008

FIG. 12

1200

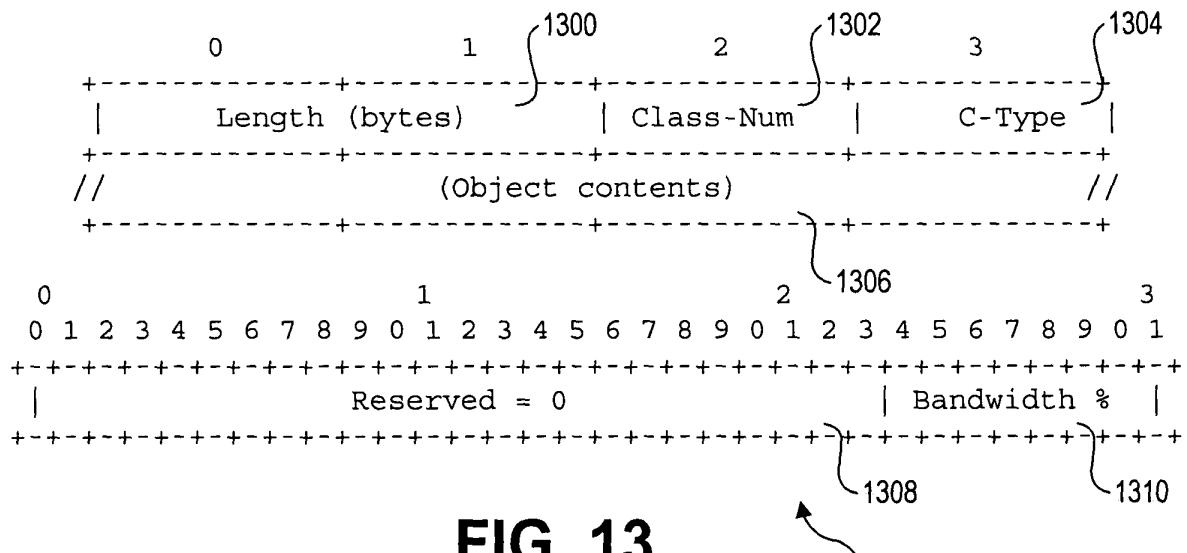
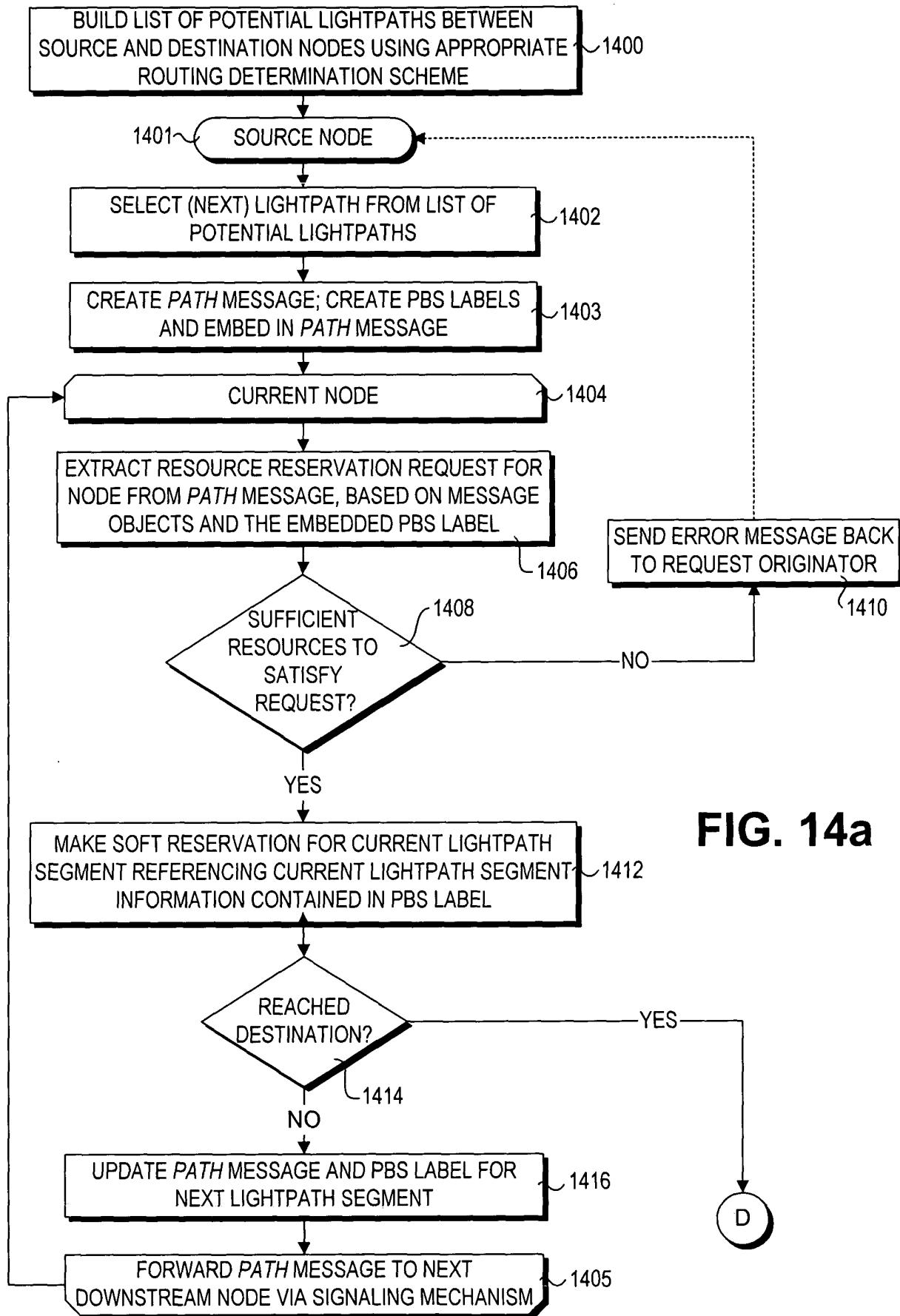


FIG. 13

828, 1008



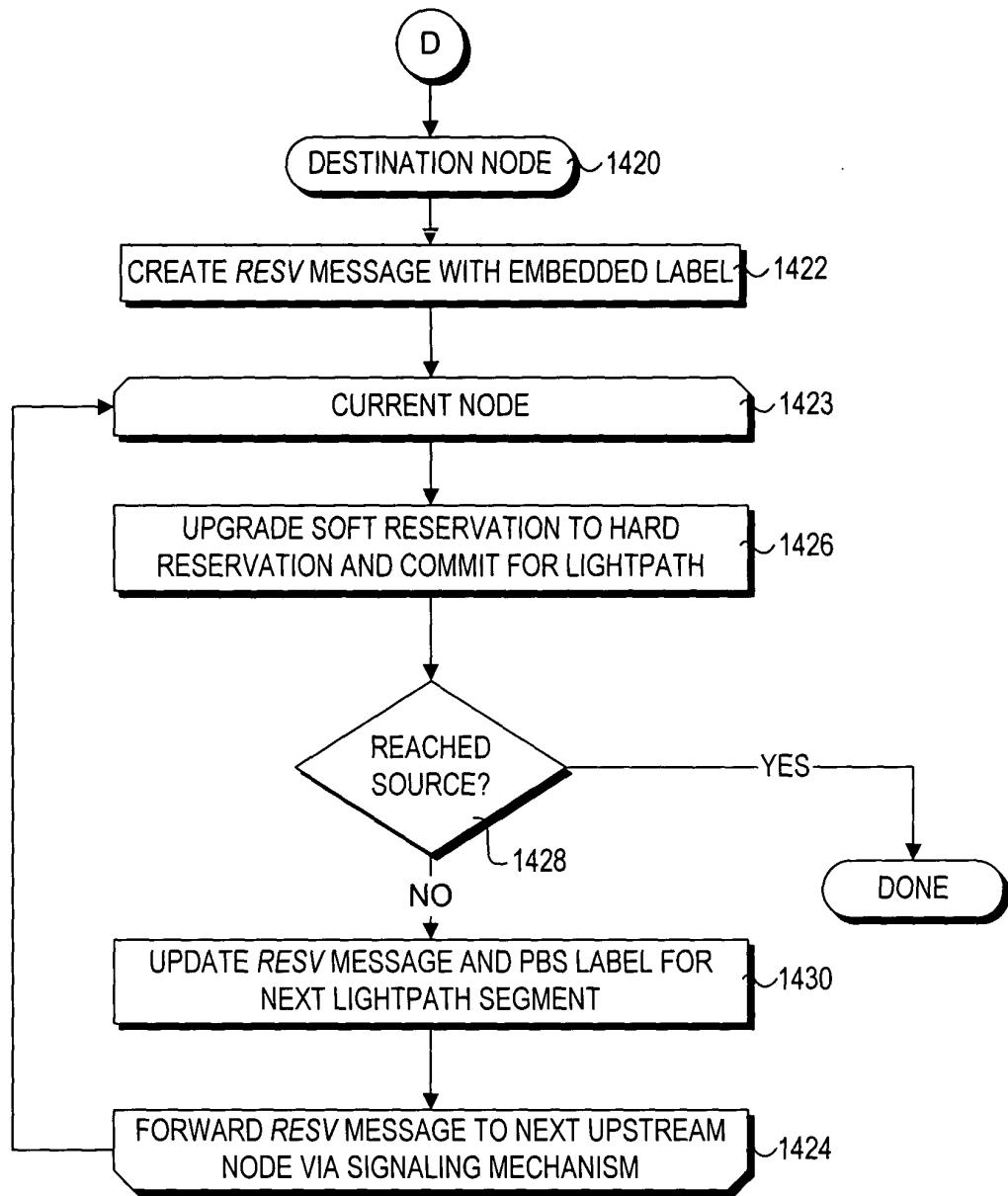


FIG. 14b

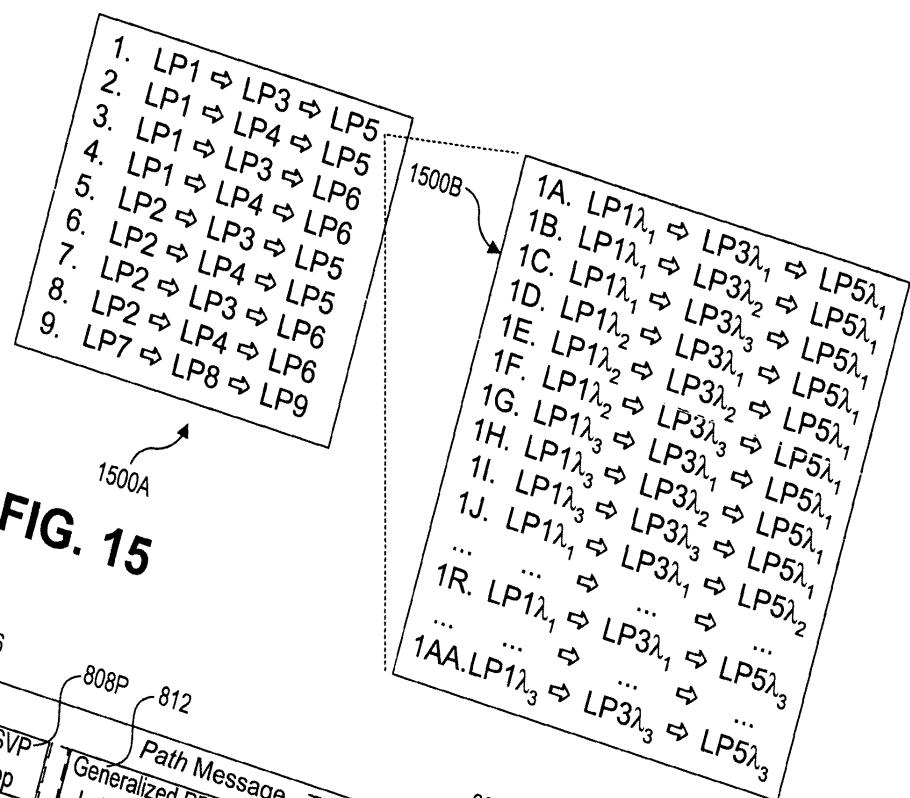


FIG. 15

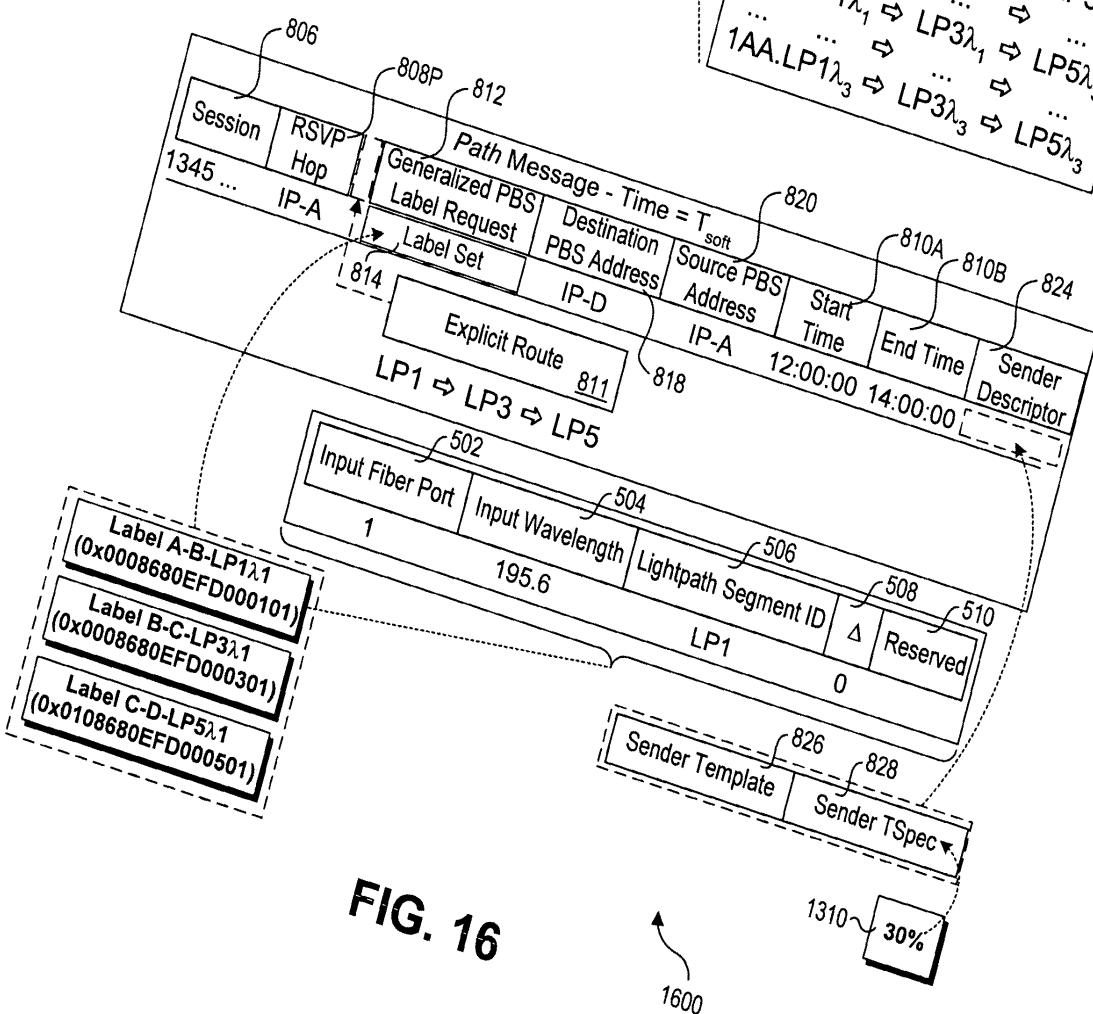


FIG. 16

RESERVATION TABLE

Key (Session)	Input Fiber Port	Input Wavelength	Lightpath Segment ID	Start Time	End Time	Bandwidth %	Status
... 1005	1	196.4	1	12:00:00	15:00:00	20	1
... 1027	1	197.2	1	11:00:00	12:00:00	30	1
... 1045	2	197.2	2	12:00:00	13:00:00	35	1
... 1115	1	196.4	1	12:00:00	14:00:00	15	1
... 1146	1	195.6	1	12:45:00	14:30:00	40	1
... 1178	2	196.4	2	12:00:00	14:00:00	10	1
... 1222	1	197.2	1	13:00:00	14:00:00	25	1
... 1256	1	195.6	1	12:30:00	13:45:00	25	1
... 1313	2	196.4	2	11:30:00	12:15:00	20	0
... 1345	1	195.6	1	12:00:00	14:00:00	30	0

1700

FIG. 17a

... 1146	1	195.6	1	12:45:00	14:30:00	40	1
... 1256	1	195.6	1	12:30:00	13:45:00	25	1
... 1345	1	195.6	1	12:00:00	14:00:00	30	0

95

FIG. 17b

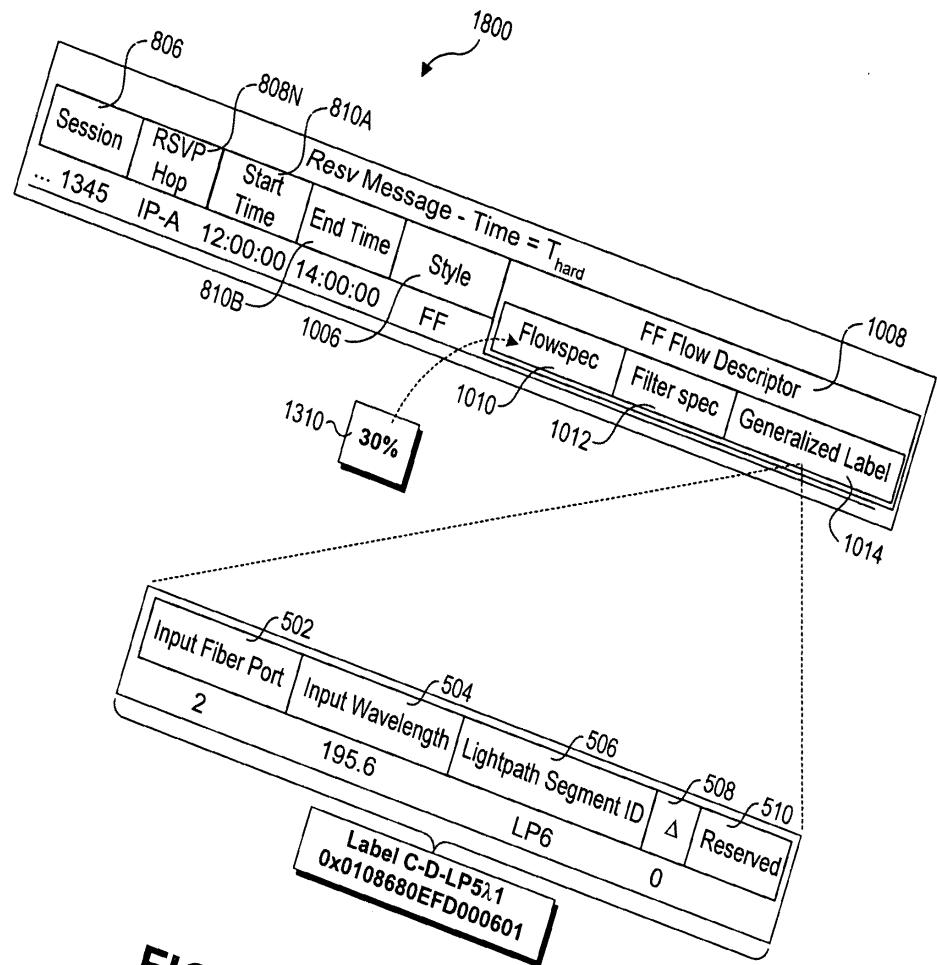


FIG. 18

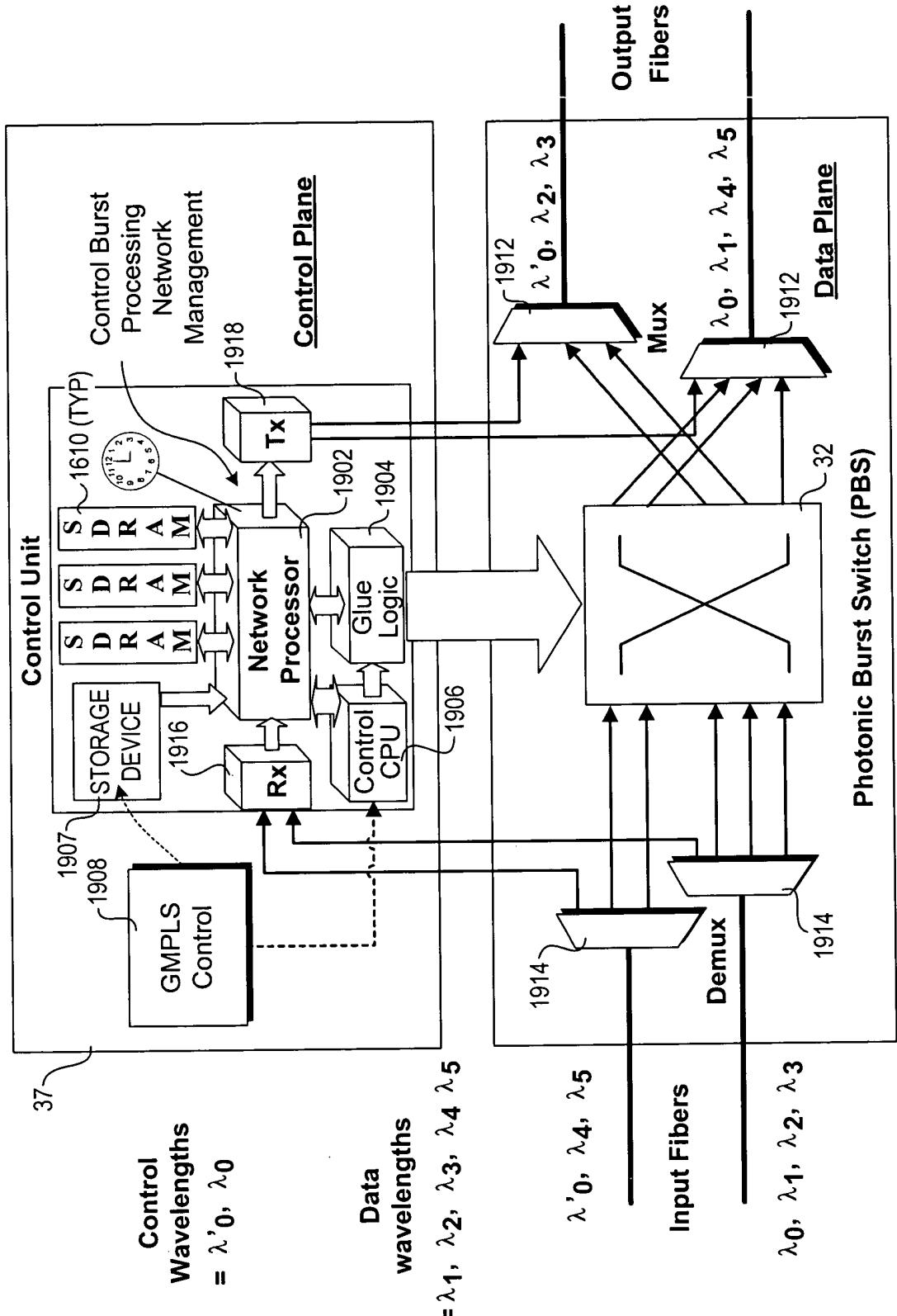


FIG. 19